

## POTOMAC VALLEY RADIO CLUB - NEWSLETTER - MAY 1999

### PVRC CALENDAR

Weekly	Wed	BWI Regional weekly breakfast. Wednesdays 7:30 am, Basil's Deli, Elkridge Landing Rd near BWI.
May 3	Mon	South MD is tentatively scheduled at Wayne Rogers, N1WR, Lusby, MD, 7:30 pm.
May 6	Thu	PVRC/NC, Fox & Hound Rstr at US64 and US1, Cary at 6pm. Directons in following minutes.
May 10	Mon	Central meeting, Church of the nativity, Rte 5, Temple Hills,
May 14-16		Dayton '99 Hamvention, Dayton, OH.
		PVRC meeting 12N Sat Daily DX booth #520.
May 18	Tue	Northwest meeting, Tully's Grill, 1080 W. Patrick St, Frederick, MD at 7:30 pm
May 18	Tue	Normal Tidewater Colony meeting with VA-DXCC. See reference page.
May ?	Fri	SWVA meeting night and location varies each month. Please check with K4IQ.
May 29/30		CQ WPX CW Contest - 5 Mil award
June 19	Sat	Joint PVRC/FRC meeting, 12:00 noon at W3LPL, Glenwood, MD
Aug 14	Sat	NCDXA/PVRC Fowlfest at W3YOZ park, Churchton, MD at 12N

We are sorry to report the passing of member Donald G. Swartz, K3IT, of Carlisle, PA at the age of 54. Most knew him as WD3U.

Welcome to the 52nd year of PVRC!  
by Tyler Stewart, K3MM, President

It's been another winning season for PVRC. Although some of the results aren't in from the 1998-99 season, we've shown our stamina in the hunt for most of the ARRL contests, with a headlock on SS and a firm grip on the 160 and 10 meter contests. In 1998, we came in second in the CQ WPX contest club competition...will 1999 be magic for this one?

Could be! We even won a VHF gavel in 1998! However, there is one big ARRL nut left uncracked and I think it's time we took a step towards the fruit! It's the ARRL DX contest. The FRC and YCCC have dominated it for a long time. It's time for PVRC to stand up to those big bullies and be counted!

Y2K and the ARRL...DX that is!

What's it going to take? About 350 million points! Probably double what we've done in the past. How do we make double the points? Get twice as many members on the air in a serious capacity! What does that mean really? It means we have to entice ALL of our members to put in a decent effort on one or both modes. Let's see. I think at last count we had at least 350 active members. Hey! 350 members...350 million! Simple, right? That's 1 million points each for both modes combined. Obviously, it's not going to work out that way. Some will make 5 or 6 million...others wont make any. But a 350 million total is not an impossible goal if we all put in our time.

So lets all pull out our electronic organizers (or good old #2) and mark up our Y2K calendar for the ARRL DX contests! That will be February 19-20, 2000 for CW and March 4-5, 2000 for Phone. In the meantime, I'm going to be working with your PVRC officers and chairmen to come up with special incentives to reward those that come to the aid of their contest club! GO PVRC!

### The PVRC 5 Million Award

As many of you know, I handed out the first ten "5 Million Awards" (new edition) at the 1998 Christmas Dinner as well as the ARRL gavels to a few outstanding members who have demonstrated their commitment to PVRC and contesting. I'm looking forward to presenting a lot more of them this December!

However, it seems like there are still a lot of members that either don't understand the basic rules and ideas of the award or just forget about it. One of the main purposes of the 5 Million Award from the club's perspective is to get a very high percentage of the claimed scores in to our scorekeeper (currently Bob Dannals, W2GG). This allows

us to make accurate predictions of performance and, more importantly, allows us to make sure that your log makes it into the sponsor's computer! This has been a big problem with the ARRL lately, but it is getting better. However, we can't provide this service if we don't know about your log! I would ask that everyone make a concerted effort to get your scores in to Bob one way or another via Packetcluster, Internet, or "Snail mail".

REMEMBER: The 5 Million Award is based on CLAIMED SCORE REPORTED TO THE PVRC SCOREKEEPER! If you don't report your claimed score, you will not get credit towards the 5 Million Award!

The other thing to remember is that the 5 Million Award is using a CUMULATIVE points system. I like to think of it as a DXCC of contesting, but with unlimited countries! You never lose any points that you earn. In addition, it's got endorsements for progressively higher point totals...just like DXCC.

What I'm going to do is try and make the 5 million award points stand out as an extra reminder. We'll do this by posting the 5 million award points right alongside the normal claimed contest scores posted by W2GG. In addition, updates to the running totals will be updated quite frequently as posted by Pete, N4ZR on his website. We'll start this for the 1999-2000 season.

What do you have to do?

1. Operate!
2. \*\*IMPORTANT\*\* - Send your claimed score to W2GG ASAP after the contest. His email address is: [\[email protected\]](#).
3. Send in your log files to the contest sponsor with "Potomac Valley Radio Club" on the summary sheet. Be careful to get a receipt of some kind. I save my emailed logs in a folder. Then when there is a problem, I just click on that file and "forward" it to the sponsor again. This leaves the original date/time stamp on the file so that they can see when it was sent originally and to what address. It's not absolute proof, but it's about the best you can do via the Internet and it also makes resending the log a piece of cake! If you use the postal service, spend a little extra and get one of the return receipt cards to go with it. You'll get this back in the mail with a signature from the other end proving that it made it there.

That's all there is to it.

REMEMBER!! - If you don't send your score to Bob, W2GG, after a contest, you absolutely, positively will not get points for the 5 million Award!

PAY YOUR DUES!

Wait a minute! I thought we didn't have dues anymore?

No, not really. We just changed how we want you to pay! You can no longer "buy" a membership into PVRC by paying \$10 a year. We no longer have MONETARY dues...we DO have CONTEST PARTICIPATION DUES!

Back when we made the transition away from monetary dues, we decided we would require active members to participate in 2 contests per year that the club was entering. This could be as part of a multi, etc., but we wanted everyone contributing some points to the club effort. We haven't enforced this at all and frankly, I don't want to change this policy. However, I'm a bit disappointed that out of the huge number of "active" members that we now have, there is a large percentage who haven't participated in ANY contests in the last two seasons as evidenced by the 257 total unique calls listed in the 5 Million Award listing.

A secondary requirement of the ARRL Club Competition is that you have to attend two meetings per year to be able to contribute your scores for ARRL club competition.

So your dues are 2 contests and 2 meetings per year. Not too difficult for most of us, but I'll bet that \$10 is looking pretty cheap to some!

Come on guys and gals! Have some fun and pay your dues!

Thank you for your donations!

I'm happy to report that we've been able to maintain the club treasury at a minimally acceptable balance over the past year, even with additional expenses related to the 5 Million Award and other award sponsorship. I'd personally like to thank each and every one of you who have helped us keep the club running by donating typically \$10 to \$20 a year. We do our best to give you good value for your money and we couldn't run the club without you.

While we are in the black, I'd like to be able to spend more money on club awards and other club trinkets. We still haven't been able to get the regional awards going, but I'm going to be working with the other PVRC officials over the summer to try and get this under way. While the costs could be minimal if limited to just "wallpaper", it would be nice to have the funds to augment this with club goodies and other hardware from time to time. In order to do this, we'll need a little more monetary help - not a lot...just a little. So I'd like to ask those that maybe haven't given us money before or if it's been a while, to please consider helping fund the club and sending a donation to the PVRC Treasurer, Dave Baugher, WR3L.

Club Paraphernalia - ORDER NOW!

Maybe we were too quiet the last time while soliciting orders for club goodies. I was surprised there wasn't more interest last fall when the initial orders were taken. I have this feeling that a lot of people that would have ordered stuff just forgot about it because we were too quiet. Maybe they were waiting to see how the initial orders turned out? I just saw one of the golf shirts and a sweatshirt at the Northwest meeting and they look real spiffy! A clear silk screening of the new PVRC logo with name and call-sign embroidery on the golf shirts makes them VERY attractive. So we are going to place another order in the next few months...as soon as we have a good number of items requested. In addition, we are going to have some 1 inch lapel pins made up. For those that ordered mugs, we are still trying to get enough orders for personalized PVRC mugs to make the minimum. We are making a renewed push this month to get mug orders in and it will be placed May 30th.

Check elsewhere in this jumbo issue for a new order form and get those checks in to NIKC!

Communication!

We should be experts at this, right? Well, I think we can do better. We have a lot of members on the Internet and/or Packetcluster right now, but I also feel that there are lot of members, especially those in our newer, remote areas that perhaps are falling through the cracks. Packetcluster messages marked "PVRC" still don't make it down into southern VA or NC...at least not reliably. The PVRC Internet reflector and email is a great way to stay on top of the latest news, but a lot of our members don't have access for one reason or another.

I'd like to ask that our regional chairmen or someone they designate be an ear to the reflector for those that don't have that channel yet. Perhaps a "phone tree" is required. Consider forming one at your next meeting and attempt to identify those members that may be getting left out of the loop.

PVRC wants YOU!

Should we have "on-the-air" meetings? Other clubs do and they can be an awful lot of fun. Something that YCCC does is have little 5 minute sprint contests in conjunction with their meeting. Usually someone just makes up the rules on the spur of the moment and then they say GO! 5 minutes later there is a mini-3830 callback for scores! We could do things like this for fun. Someone want to organize it? Give me a call or email and volunteer!

We are still trying to formulate a regional awards plan, which will initially be club certificates. However, we could use some help either administering the program and/or printing certificates. If you would like to help in this area, please contact either myself, VP Brian N3OC, or NW Chair Greg, N5OKR, who are most involved in this effort. We are still in the planning stages of this effort and welcome any ideas that you may have on any aspect of the program.

We welcome input from all members and want to encourage everyone to contribute their ideas and feelings about PVRC and it's future endeavors.

The 50th Anniversary Booklet

We've been remiss in our efforts to create this historic document for the club. We will fix that this summer. W3LEO (ex-KA3TGY) is putting it together for us, but he needs more input (biographies, photos, history tid-bits, etc.) to make it a rich document we can be proud of in years to come. Please take the time to fill out the questionnaire if you haven't already, and get it to Leo for the booklet. It's available in this newsletter and you can also get it or fill it out online at <http://www.pvrc.org/announce.htm>.

WRTC 2000!

It's rapidly approaching and I'm expecting that PVRC will be invited to send a team to the 2000 games in Slovenia! So far, there are no details or formal invitations. However, they are accepting "wildcard" bids from prospective contestants at this time. If you are interested in more information on the bid process or any WRTC 2000 info in general, check out their official web site at <http://wrtc2000.bit.si/>. It's sure to be a good time! As soon as we have a confirmation of invitation, we'll move forward on the PVRC team selection.

Dayton Hamvention 1999

Everybody is going to Dayton, right? It's the Mecca of Hamdom! If you've been before, you know what I'm talking about. If not, you should! It may be too late for this year, but if you've never been, consider going next year...you'll be hooked!

We are going to have at least one official PVRC meeting at Dayton this year.

The first will be held at noon on Saturday at the Daily DX booth; number 520. There will be a sign in board there all weekend so be sure to sign it at some point during the Hamvention and try to make it to the meeting at noon. I know at least one new member we'll be able to vote on at this meeting!

The second will be held shortly after the Contest Banquet on Saturday night at the Crown Plaza hotel downtown. It will be held either in the FRC lounge area or in the banquet room on the same floor.

Have fun and buy lots of goodies!

The Summer Begins at W3LPL's; The Joint PVRC/FRC Meeting

Things got messed up last year with the scheduling for the joint meeting in FRC territory, but it's back on home turf this year at the annual W3LPL Summer Bash on June 19th. This is the largest meeting of the year at the largest PVRC station and there is always plenty of food and drink available as well as lots of good company and technical discussion. Be there or be square! Things start up around noon we'll be having an informal meeting around 2 PM. I'll be surprised if we don't have a gavel or two to present to some deserving member(s)!

A new adventure...

Call us crazy...at 39 and 40 years young, my wife Laurie and I are venturing into parenthood! "My" daughter is due about June 23rd! I say "My" because Laurie says it was all my idea! Hi! I can hear it now: "Your daughter wants...your child needs...etc." Of course, to further bring it home, Laurie's picked out her name - Tayler (yes, with an 'e')! Please send your condolences to Laurie and Tayler at the home address...

73 and thanks for the memories! :)  
Tyler, K3MM - el presidente

DONTATIONS REPORT 4/20/99 by Dave Baugher, WR3L, Treasurer

PVRC would like to thank W3ABC, N3HF, W4HJ, W3YD and N4GU for the contributions. Please remember to send your ARRL renewal via PVRC. Complete the ARRL form and send it to WR3L with a check made to PVRC (not ARRL). New memberships should also be sent to PVRC.

PVRC ESTABLISHES A \$1000 SCHOLARSHIP.

The club has established a yearly \$1000 scholarship to be announced and administered by the Foundation of Amateur Radio. The deadline to apply

for this scholarship in 1999 has passed but one will be awarded if a suitable candidate is found among those applying for other scholarships. If not awarded in 1999, the initial \$1000 will be held over until 2000. The draft of the eligibility requirements in 2000 (and generally the basis in 1999) are: "Applicants must reside in CONUS (48 states or DC) and may hold any class of amateur license. A preference will be given to one who provides a supplementary statement describing their contest activities. A secondary preference is the applicants license class." The scholarship is funded by an individual member.

CENTRAL MEETING MINUTES, 4/12/99 by Rich Boyd, KE3Q, Secretary

One effect of the regional structure in PVRC has been dwindling attendance at what used to be the only PVRC meeting, what we've now been calling the central or general meeting. With so many meeting opportunities, and some closer to home, these days people don't need to drive an hour (or more) to go to a Monday night meeting. Then again, at this time of year we historically have had low turnouts, I think.

In any case, last night we had a small but quality turnout of seven of us: N3OC presiding, N3AM, W4RX, W4RW, KE3Q, K3OSX, K4VV, and K4IQ. Few had met W4RX, though he owns one of the larger contest stations in Virginia, a multi-tower setup on Mt. Weather (near N4OHE and the underground Pentagon). Jim usually just enters the CQWW CW contest but has said he's willing to take in guest ops for other contests. He especially has little or no interest in operating phone contests himself. Consequently, K0DQ, Admiral Scotty Redd (retired), who used to regularly guest op at W3GRF, oped at W4RX in the ARRL DX phone recently. Jim says his station isn't very user friendly, though, a drawback to having guest ops. Even an experienced op like K0DQ rotated a prop pitch past the stop and tore a coax off one yagi. At my prodding, Jim told us the story of how he sold his business, Telcom, and at the age of 40 entered medical school and became a medical oncologist.

We went around introducing ourselves. W4RW has been helping W4RX fix up the 20M AB-105 tower, which came down when a tree fell on its guys during a storm. He had photos of the crumpled tower. K4IQ asked for the group's advice on multiple antenna switching at his station where his antennas are 1,200' away atop a hill, fed by hardline (in SW Virginia). I suggested he operate in a small hamshack at the top of the hill. I drew a picture of my 4-tower idea for WP3R that I discussed at a Temple Hills meeting recently. W4RX suggested there are many ways to set up the switching for many antennas to one feedline.

K3OSX mentioned his recent operating at N4RV and described N4RV's antenna array. K4VV talked about his tower. He and N3AM shared their thoughts on the new generation of tribanders on the market now and stacking distance required with a 40M beam.

N3OC mentioned that N1KC may be ready to place an order for shirts and mugs soon.

Though we were running out of time because the discussion had been spirited, we started the K1ZM Dayton video at 8:45, in which K1ZM describes his Cape Cod 160M station and 160M antenna design options. Before that was done we jumped ahead to K1ZM's slides of the NP4A station when it was at its peak some years back, including the full size 3-el 80 rotatable yagi on a 160' tower on top of a 3,000' hill.

We adjourned at about 9:15 PM. Next meeting is the second Monday of May in Temple Hills, Maryland, 7:30 PM.

PVRC/NC MEETING MINUTES 4/8/99 by Pete Soper, KS4XG

The meeting was held at Ryans Family Steakhouse, Cary Crossroads, Cary, NC from 6-7:30pm. Important notes about the NC chapter meetings:

- 1) The default meeting date is always the first Thursday of the month and the default location is Ryans @ 6pm.
- 2) However the May meeting will be at Fox and Hound (see details below).
- 3) One of the summer month meetings will be a cookout, details TBD

## Attendees

Brian K3KO, Bob K4HA, Jim K4MA (chair), Pete KS4XG (sec), Jim N3QYE, Joe NA3T, Bert N4CW, Tom N4TL

## Membership

This was the second meeting of Joe Mack NA3T. The membership vote was unanimous. Joe is a VHF enthusiast who enjoys chasing grids when he isn't designing high performance phased yagi arrays. Welcome to PVRC, Joe! Chapter membership is now 31.

## Club business and announcements

K4PB sent his regrets. Alan was scheduled for elbow surgery at the time of the meeting and we wish him a speedy recovery. WJ9B K4QPL and WX9T also sent their regrets. A SPECIAL MEETING is planned for May.

Bill W4ZV went to Galapagos Islands for a contesting trip, took a lot of pictures and brought back a lot of memories. Bill will tell us all about it in a private dining room at the Fox and Hound (excellent food and refreshments). The target for this meeting is Thursday May 6 6pm, subject to confirming the reservation.

Email will be sent out before the meeting. An RSVP for this one would be appreciated.

K4MA invites anybody interested in hosting the Summer cookout to contact him. We'll settle on the details of this meeting next month.

We're likely to get another carload or two of NC rabble rousers up to visit W3LPL for Frank's June open house (weekend before Field Day). Anyone interested should ID themselves to [\[email protected\]](#).

N3QYE has a Yaesu FT290 2m all mode and 165w amplifier for sale. Contact Jim at [\[email protected\]](#).

Upcoming Contests: ARI 5/1-2. The YU DX Contest is 4/17-18 but not likely to be much fun this year.

Member notes: K4HA is contemplating a second tower, probably another 80 footer. This would be more Rohn 25 but Bob said if he gets greater quantity of Rohn 45 he's been pursuing it will make him rethink his plans.

N4CW showed off his matching NAQP certificates for Maine and North Carolina as well as an interesting "entrance exam" for potential new residents of Maine. Bert suffered some new RFI problems after putting his wires back up after a recent storm and asked for tips. Bert also joined the upper crust as he upgraded to an FT1000MP. There was discussion of the "upgrade hierarchy" as the upper crusters go to FT1000MP rigs and the more budget-challenged buy their TS850s :-)

K3KO announced his second tier upgrade to a TS850. Brian also received his eighth band endorsement for DXCC and a certificate for the 4th call area in the '97 CQWW CW test. In a discussion of RTTY it came out that Brian regularly uses his ears for confirmation of his call-sign during RTTY contests.

KS4XG is doing tower and antenna PM before locking his foldover in place semi-permanently and adding 10 and 15m monobanders fixed on Europe. Pete also described his mother's second solo contest effort as she took part in the WPX (general class KF4VMT, Margaret Soper, 78 years young). Unfortunately Margaret is just West of the PVRC club circle...

N3QYE has his QRP rig running and is having fun. He's looking for novel packaging ideas and wonders if he can get the electronics inside a stuffed squirrel.

New PVRCer NA3T described his project modifying some yagi design software to allow accurate modeling of phased arrays. There was

discussion of the upcoming June VHF contest.

N4TL described bagging E44DX after the operator announced "QRX, QRX, are there any PVRC members out there?" Tom quickly worked them after an instant of utter amazement. Go PVRC!

K4MA shared details of his WPX phone effort at the AA4NC station. Jim's score is holding onto #1 world so far. He used DXnet software at his home to tie into the Internet packet spots and fed that into a 2 meter link to Will's station where he then routed it via TNC into his CT setup.

Jim passed around his rate sheets and mult info and described the tremendous variety of Asian and other multipliers that answered his CQ.

Next Meeting The next meeting is scheduled for 6pm Thursday, May 6th at the Fox and Hound in Cary.

Directions to Fox and Hound:

The Fox and Hound is in Macgregor Shopping Center in Cary (ph 919 380 0080) in the SW corner formed by the US64 and US1 intersection.

>From the North:

Take the Raleigh beltline south as if going to Ryan's but proceed past Walnut st and also past Cary Parkway. Take the next exit to US64 West. Go under the US1 overpass, through the first set of lights and then take a left at the second light onto Macgregor. Turn left again into the shopping area. The Fox and Hound is in the center. If you reach Edinborough off US64 you've overshot but can hook around to the left and get back to the shopping area.

>From the West:

Take US64 East through Pittsboro and past Apex. Soon after passing a set of car dealerships on the right you'll pass right turns at McKennen, Gregson and Edinborough. The next right will be the turn into Macgregor. If you reach the US1 entrance ramps off US64 you've overshot and will have to go up the hill to the fancy office building on the right and get turned around there.

NW MEETING MINUTES - April 20, 1999 by Tyler Stewart, K3MM

In attendance at Tully's in Frederick were members: K3MM, K3LP, K8OQL, N4MM, K2UOP, W8ZA, W3NRS, K3WC, K3TZV, WD3A, K3IXD, K3SX (-102lbs), NE3H, and guests, Tony, A45ZN (among others!), and K3MM XYL, Laurie. K3MM stood in as net control.

We started off at 8PM with intro's:

WD3A, Tom, did a little time in the WPX phone for 145Q x 111 for 12.6K. K3TZV, Steve, has been working on installing PSK31. K3WC, Dusty, has also been doing PSK31 lately and has 17 countries so far!

W3NRS, Norm, got an IC746 for his birthday and is working on setting it up on all those bands! N4MM, John, has been doing work on his new site at Spring Gap Mountain. K8OQL, Jerry, did WPX single-op as the last hurrah from W9LT's station.

A45ZN, Tony, is staying at K3LP's place while doing work in the area. Tony is also G4KLF and been ZS1D and H5AFU among others...and wants to join PVRC!

K3LP, David, had Norm and Dan over to assemble some tough sections of tower. He's got some monobanders and a TH7, but claims the TH7 is doing a better job!

K2UOP, Tom, reports his new C31XR is working very well and he's working hard towards the 5 million award. W8ZA, Bob, reports that VHFer WB3CHS passed away today. Bob's looking forward to summer antenna projects!

NE3H, Joe, has a new FT847 and is now on 6 meters for the first time since 1964? However, recent results have been disappointing. Joe was dismayed at the poor test results of several commercial 4:1 baluns that he tested on a

network analyzer. He then built his own coaxial balun with good test results.

K3SX, Sid, has now lost 102 lbs since 7/98! He recently worked EL2WW on 160 and is looking for TZ6VV. He's finally got cards in for J6/K3LP, so they will start going out shortly.

K3IXD, Ed, reports that W3EKT's wife has been in the hospital for a couple weeks now, but is doing well and is expected to check out tomorrow. He worked 19Q's and 3 grids in the 2 meter sprint with a pair of big wheels. Ed showed us WD3A's new PVRC shirts and they look spiffy!

K3MM, Ty, had a great time in the WPX Phone contest and came in second overall in SOHP with 9.6 million from the home station. 15 meters was HOT! He was at the K3MQH mountain for the 2 meter sprint and appears to have won with 226Q's and 48 grids. Now announcements from K3MM and others.

DAYTON. There will be a PVRC meeting held at Dayton this year at noon near the Daily DX booth 520. If you can't make it then be sure and sign in at any time. We hope to vote in at least one new member!

We'll also see if we can hold a meeting that evening after the Contest Banquet either in the banquet room or in a corner of the FRC lounge area.

If you have a station video or something of that nature in VHS format, there is always a VCR set up in the FRC Lounge and I'm sure it's available as needed.

CONTESTS. Once again, the list of ARRL 10 meter logs that made it to HQ was a bit short...not nearly as bad as last year, but W2GG found 15 missing logs upon comparison with our own claimed score listing! We have been in touch with Dan N1ND at ARRL and have restored most of the logs. However, there are still a few we haven't heard from or their log already went in the "bit bucket".

PVRC won the 160M club competition in Medium category (there were no unlimited's) again in '98 and has won a WPX plaque (expected delivery time: 2 years) for high US club score!

WPX was awesome with records broken handily...15 meters was incredibly good with hours of JA's on the east coast. Look for more of the same or better on 10 meters in the CW portion at the end of May!

MEMBERS. Tony Selmes, A45ZN, was attending his second meeting, so he filled out an application and was promptly accepted by the membership present. Tony expects to be in the area for at least another 6 months or so while working with K3LP. Tony's been a ham since 1980 and has held many DX calls including G4KLF, ZS1D, and H5AFU. He's interested in 6 meters, LF (136khz), VHF, and 160M as well as mountaineering and climbing. He's also an ex-parachutist and philatelist. Welcome Tony!

K3IXD showed us the latest batch of PVRC shirts and they are very good looking! N1KC is taking orders again and there will be an application in this jumbo May newsletter for the usual shirts, hats and mugs as well as a new lapel pin we're working on.

W3USS GOES QRT by Dave Siddall, K3ZJ

After 30 years, it appears that the Capitol Hill Amateur Radio Society will disband this spring, and club station W3USS at the United States Senate will be dismantled.

As I turned the key in the shack door after the ARRL DX contest a couple of nights ago, memories returned of contests past that spanned three decades. Back in 1971 I came to Washington while still in college, and interned part-time for a Senator. A few months later I ran into Barry Goldwater, and soon I was filling out a CHARS application and paying dues.

My contesting at W3USS began with the 1973 phone ARRL DX, so it was appropriate that my last effort from there was the same contest 26 years later. My old paper log continues to reside in the club's records, signed by "W1FEO". So does my 1973 sweepstakes log, a contest particularly memorable because it ended prematurely when flames erupted from the PA compartment of Goldwater's Swan 350 that I was using. (A fire extinguisher was installed in the shack shortly thereafter; and Goldwater forgave me.) In those days it was a TH3MKIII 8 feet off the roof, and a 14AVQ.



No 80 or 160.

I operated many contests from there over the years, using either W3USS or K3ZJ. In later years I invited guest ops, and they turned in some great scores as I competed from my mountaintop station in West Virginia (beginning in 1988) and spent time with my family.

In 1992 I unexpectedly returned for ARRL phone when Friday afternoon before the contest my sister-in-law offered to entertain my 3-year old for the weekend because my wife was ill (and carrying our second son). Our West Virginia house was too far away should there be an emergency, but the Senate was only 30 minutes from our home. So I drove home after work, packed the station, and was still connecting the equipment as the contest started. The DVK didn't get hooked up until sometime in the middle of the night, and Saturday morning I had to go QRT to go out and buy some food and something to drink. Score that weekend for 20 meters single op remains the top score for the W3 district. Go figure!

There might be a little "relaxed" contest operating one last time during phone WPX. And W9JG has been operating a little bit at odd times. But sometime in May the original W3USS will be gone. R.I.P.

#### 50TH ANNIVERSARY HISTORY BOOKLET

There are plans for a PVRC 50th Anniversary Booklet. We hope to include your story in the Booklet. Please go to the "<http://www.affcom.com/50thsurv.htm>" online form and submit it or fill out the below information on a sheet of paper and mail it to:

LEO J BOBERSCHMIDT, W3LEO  
3928 DENFELD CT  
KENSINGTON MD 20895

Questionnaire for 50th Anniversary History Booklet (Please use a separate sheet of paper numbered as below.)

1. Name:
2. Call:
3. DX Countries From Which You Have Operated [only prefixes needed]:
4. Contests Which You have Won [Either Overall, Band, Section, etc.] or Come In 2nd or 3rd [Give Contest, Year, Mode]:
5. Your Best/Most Memorable Contest Experience:
6. Your Worst Contest Experience or Contest Horror Story:
7. Do you have any photographs of PVRC members, past meetings, contests, other operating events, DXpeditions, etc? PVRC plans on having a 'Rogues Gallery' in the 50th Anniversary Booklet. Would especially appreciate older photographs. Note: all photographs will be returned.
8. Any Special Message To PVRC on Its 50th Anniversary:
9. Anything Else You Think Should Be in the PVRC 50th Anniversary Booklet:

#### NOTES FROM THE EDITOR

Repeating for those who only receive this annual issue, the Dayton Hamvention has announced that Ken Miller, K6IR, is the winner of "amateur of the year" award.

N3JT, Jim and Nina (KE4PSV), hosted Maire, ZL3GQ's widow, for five days, showing her the sights in DC. ZL3GQ's station has been fully dismantled.

All ARRL members can establish a free email address of [\[email protected\]](#). Mail to ARRL.NET is then forwarded to whatever address you specify. Details at [www.arrl.org](http://www.arrl.org).

THIS ISSUE IS SENT TO ALL PVRC MEMBERS -- once a member, always a member.  
We hope that this will encourage inactive members to again be heard in the pileups.  
See you in the reunion on-the-air which is always the first weekend of June.

I have been juggling the Newsletter deadline to find a minimum conflict with other schedules. Meetings are normally not scheduled during the fourth week so that seems to be an ideal period for repro and distribution and then we can hope that copies arrive prior to SMD and NC meeting during the first week. The deadline for material for the Newsletter is now late evening the day after the third Tuesday of each month. That is, the day after the NW and Tidewater meetings. The SWVA meeting day varies each month with the result that SWVA minutes may sometimes miss and be published in the next issue.

#### PVRC REUNION ON-THE-AIR RULES - JUNE 1999

1. Eligibility: All member of PVRC worldwide (Once a member, always a member!)
2. Object: To contact as many other PVRC members around the world as possible, using 7 bands as follows:  
CW: 80, 40, 20, 15, 10 meters  
SSB: 20, 10 meters
3. Date: Always the first weekend in June. This year's reunion will be June 5, 6, and 7 (zulu) 1999
4. Frequency: CW always 47 kHz up from the bottom of the band (3547, 7047, 14047, 21047, and 28047 kHz). Phone frequencies are 14247 kHz (14250 as an alternate when there is QRM on 14247) and 28447 kHz on 10 meters. (These are suggested frequencies.)
5. Three contest periods (1998):  
5 June: 1400Z - 1800Z  
6 June: 0000Z - 0500Z and  
2200z - 0300Z (7 June)
6. Contest exchange: Serial number, your call, QTH, your call when first joining PVRC, and year joined PVRC.  
Example: NR73 W6XYZ CA W4XYZ 60
7. Valid contact: Completed two-way QSOs on any of 7 bands. No crossband or crossmode QSOs permitted.
8. QSO points: Two points for each completed QSO.
9. Multipliers: Total multiplier is the sum of all states, DC, Canadian provinces, and DXCC countries worked. (AK and HI count as a state or a country, not both.) Each multiplier may be counted once, not once per band.
10. Reunion call: CQ PVRC
11. Please send:  
Your exchange (example):  
W6XYZ CA W4XYZ 60  
Your score:  
#QSOs #MULT SCORE  
to the PVRC Newsletter editor (K3DI) by the 20th of June to make the July results listing. See the reference page for addresses. You do not need to send in your log or dupe sheet. If you work a station that claims to be a member (everybody wants to be one of us), but is not listed in the roster, please send that log information with your score. Clearly indicate if any such questionable contacts are included in your score. We'll check it out and adjust your score, as needed. An optional dupe sheet is in this issue. Here are the scores as listed in the 7/98 issue. These may be missing a few misplacded scores received after 7/98.

K1HTV	213	19	8094
W3UJ	181	19	6878
W3PP	169	19	6422
K4GKD	142	20	5680
N8II	131	17	4454
K3DI	117	16	3744

K2YWE	92	16	2944
W3TMZ	88	15	2640
W4YE	87	15	2610
W3KC	86	15	2580
W3GN/M	71	18	2556
K6SG	78	16	2496
N3NT	89	14	2492
W6MVW	82	15	2460
W2RS	66	17	2244
W4ZYT	43	24	2064
K3ZO	67	13	1742
W3CP	62	14	1736
W1ZM	40	19	1520
K2UFT	58	13	1508
AA3LE	55	13	1430
DK5AD	53	13	1378
W4AGI	51	13	1326
W3AU	54	12	1296
K2UOP	46	14	1288
W5KL	53	12	1272
N3AM	50	12	1200
W3FZV	42	14	1092
N6RA	56	9	1008
W0SS	41	12	984
K4LDR	39	10	780
W3UR	27	11	594
W4DM	30	9	540
KE3Q	36	7	504
W3KQ	21	8	336
N4RP	15	6	180
AJ3M	11	7	154
W4JVN	8	7	112
K4VT	9	7	126
W3GG	12	2	48
K4ZW	6	4	48

CT 6.26 (shareware) with PVRC data files is available via email attachment from K3DI.  
The MASTER.DAT contains three lines per member such as:

K3MM/WA3UXU  
K3MM79MD  
K3MM/Tyler

The ARRL.CTY file has the above info for the more active members. Two mode logging is accomplished by logging CW such as K3MM and SSB as K3MM/. Score counting is done manually.

I'm in the process of trying to make a MASTER.DTA file for CT9 but the utility burps on the above listed format. CT6 data will not work on CT9.

You may order CT 6.26 with the PVRC DAT and CTY files by sending an email to me at [\[email protected\]](#) -- K3DI

I'll notify all via the PVRC reflector if I am able to produce a MASTER.DTA and ARRL.CTY that works on CT 9.

-----  
The paper edition contained an article  
TO BUREAU OR NOT TO BUREAU BY Pete deVolpi, KC3TL  
The file containing this article was damaged in transit to this  
email version. --- editor  
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The paper edition contained an order form from THE PVRC STORE.  
Contact N1KC or the editor for a mail copy.  
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The paper edition contained advertising from:  
WX0B, Array Solutions [www.arraysolution.com](http://www.arraysolution.com). Booth 473 at Dayton  
W2IHY memory keyer and audio equalizer.  
<http://pages.prodigy.com/XUSK45A>  
HRO <http://www.hamradio.com> Booths 21, 22, & 23 at Dayton  
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# S C O R E S

by Bob Dannals, W2GG

\*\* Changes/additions/deletions \*\*

\*\* to W2GG via email or packet \*\*

\*\* NEW EMAIL: [\[email protected\]](#) \*\*

FINAL CQ 160M CW RESULTS (4/7/99)

CALL	QSO	ST	DX	SCORE
SINGLE OP HIGH POWER				
W3AO	925	57	52	344,331
W4MYA	967	56	37	260,121
K8OQL	743	56	31	186,702
K3SV	682	52	31	151,641
K4IQ	636	(85)		147,560
K4MA	643	50	22	115,704
K2UOP	558	52	23	104,025
N4RV	317	53	35	97,856
K3OSX	425	55	17	75,960
N4AF	408	49	19	72,896
K4PB	313	53	26	66,913
K4SO	310	41	19	51,000
N3AM	435	49	3	50,076
N4MM	221	50	12	37,324
W3AZ	240	41	12	32,542
W3GN	224	44	12	31,920
W4HJ	214	46	1	23,782
K2AV	128	35	13	17,712
N3RC	100	40	10	13,850
K4IX	294	(47)		13,818
K4BAM	162	39	6	17,055
N4CW	130	32	1	9,075
K4VV	60	28	0	3,864

SINGLE OP LOW POWER				
N8II	591	53	20	109,354
W3CP	215	(48)		24,864
N1WR	218	36	4	19,000
W3MR	151	36	11	18,236
N3GPU	159	(34)		12,636
NX9T	111	32	2	8,058
K4QPL	77	27	1	4,648
WB4DNL	49	(23)		2,599

SINGLE OP QRP			
WK3I	530	(70)	87,360

MULTI OPERATOR				
NJ4F	882	55	40	237,690
N3OC	676	55	36	178,724
K3MM	308	46	31	78,078
W3HVQ	326	46	24	69,300
K4HA	552	56	28	60,018
N3NT	375	46	22	67,048
W2GG	336	52	19	61,557
WA4QDM	202	37	1	16,948

40 LOGS CW TOTAL 2,981,845

## OUT OF TOWN OPERATIONS

W5KL 250 (54) 31,374  
 Op W4YE  
 W1BB 1308 59 59 550,000  
 Ops PVRC: W4ZV K1HTV, YCCC: K1ZM  
 K2EK, FRC: K2WI WW2Y

LAST YEAR (combined SSB & CW)

Frankford R C 6,366,228  
 Slovenia Contest C 5,138,233  
 Contest C Finland 4,294,949  
 Potomac Valley R C 3,373,098  
 \* \* \* \* \*

Guest Operators:

W3AO KE3Q AT W3LPL  
 K8OQL from W9LT QTH

Multiop operators:

Single op plus packet unless  
 indicated below.

K4HA K4HA W2XL (non-PVRC)  
 N3OC N3OC WR3Z  
 NJ4F NJ4F K7SV K4ZW K1SE  
 WA4JUK Daisy

FINAL ARRL DX CW (4/7/99)

CALL	BND	QSO	CTY	TOTAL
SINGLE	OP	HIGH	POWER	
K3ZO		3326	399	3,981,222
K0DQ		3345	396	3,972,672
N4AF		3106	377	3,466,515
W4MR*		1717	302	1,555,602
W9LT		1647	310	1,525,200
N3AM		922	311	858,360
W3GN		923	281	778,089
K2UOP		1082	234	759,569
N8II	15	1771	106	563,178
W4YE		709	256	544,512
N4MM		524	238	374,136
W3EKT		550	213	348,000
K3SV		401	147	176,400
W4VC		271	124	100,812
W4HJ		230	129	89,010
K3SX		155	###	46,000

SINGLE	OP	LOW	POWER	
N1WR		1006	289	872,202
W3DAD		771	249	575,937
K4BAM		717	247	530,556
K7CMZ		662	234	461,214
K1EFI		625	235	459,660
WJ9B		617	223	412,773
NX9T		352	182	192,192
K4HA		353	168	177,912
K4QPL		280	145	121,800
KS4XG		266	150	119,700
N3UMA		235	162	114,210
W4HM	10	281	74	62,382
W3CP	15	281	63	53,109
K3HH		169	50	25,350
N3WK		39	28	3,276

SINGLE OP QRP

SINGLE	OP	ASSISTED	
K3SA		1294	330
W3HVQ		1143	320
W3UJ		943	305
N4ZR		807	248
K4PB		659	280
K3KO		500	204
NY3M		393	229
K4VV		310	172
W3FG		226	143
N3GPU		114	71

MULTI - SINGLE				
N4RV	2628	392	3,089,352	
W4PRO	805	327	789,705	

MULTI - TWO				
NJ4F	3879	456	5,306,472	
WR3L	3081	423	3,907,251	

MULTI - MULTI				
W3LPL	7146	602	12,896,646	
W4MYA	4916	496	6,800,800	

DXPEDITIONS				
8P9JA	5267	342	5,403,942	
(multi - single)				
KG4DZ	4276	304	3,899,712	
(multi - single)				
N4MO/TI7	1337	58	232,638	
(SOLP, 15 m only)				
NP2S*	2211	208	1,379,664	
(SOLP)				
V260*	7667	345	7,935,345	
(multi - two)				
WP3R*	4852	332	4,832,592	
(SOHP)				

- - - - -				
53 LOGS	CW	TOTAL	85,033,258	
- - - - -				

LAST YEAR'S RESULTS (SSB & CW)				
Club	Logs	Score		
FRC	173	243,591,930		
YCCC	176	221,027,178		
PVRC	121	97,101,300		

OPERATORS:

8P9JA	K4MA	AA4NC
K0DQ	operated from W4RX QTH	
KG4DZ	W4ZYT	W4SD
N4RV	K3OSX	N4RA N4RV KT4W
NJ4F	NJ4F	K4EU K4EC WA4JUK K4GMH
	K7SV	K1SE Daisy
NP2S	K3DI	
V260	K3MM	K3RA N5NJ
W3LPL	K1HTV	AI3M ND3F N3OC W2GG
	K4ZW	WB2FFY K3NA KD4D K1RA
	K3RV	W3LPL K9PG
W4MR	N4CW	
W4MYA	K4GAU	K4GE W4DAA W4DR W4HZ
	WA4QDM	WK4Y WU4G W4MYA
W4PRO	W4HIR	WB4DNL AF4CD W4PRO
WP3R	KE3Q	
WR3L	AA3SC	N3NT WR3L WR3Z WX3B
	W6HZZ	

FINAL CQ 160M SSB (4/7/99)

CALL	QSO	ST	DX	SCORE
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SINGLE OP HIGH POWER				
W4MYA	905	57	29	196,424
K8OQL	643	53	14	100,098
K4IQ	503	56	13	81,489
K2UOP	506	52	7	64,723
NX9T	461	51	8	60,180
K3OSX	361	45	3	37,632
K4MA	336	42	7	36,456
K3SV	214	43	3	22,126
K4HA	198	41	5	20,378
ND3F	200	(50)		20,000

N4MM	120	39	4	11,825
K4SO	100	35	7	10,752
4U1WB	103	24	0	5,160
K4VV	77	27	2	4,814
W3AO	55	(21)		2,684
N4TL	42	(21)		1,953

SINGLE OP LOW POWER

WK3I	417	(56)		51,296
KS4XG	349	42	7	38,808
N8II	292	41	4	29,205
W3EKT	194	36	4	17,400
W8ZA	174	(38)		15,908
W3USS	202	32	1	14,025
WX4DX	155	(34)		11,628
N3GPU	159	33	1	11,424
WD3A	143	(34)		10,642
NV3V	123	30	1	8,184
W3MR	125	27	2	8,120
W4YE	120	(36)		9,288
W4HJ	94	30	2	6,496
N3UN	82	(28)		5,104
W3CP	81	(28)		5,040

SINGLE OP QRP

W3GCG	484	35	7	22,264
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MULTI OPERATOR

N4RV	558	53	20	102,127
K3IXD	445	51	14	70,005
K3MM	300	(70)		56,070
W2GG	307	47	10	40,185
KB3AUG	298	46	5	34,883
K3KO	97	32	2	7,208
W3HVQ	77	32	3	6,825
K3DI	45	22	3	2,750

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- - - - -
40 LOGS SSB TOTAL 1,261,579
40 LOGS CW TOTAL 2,981,845
80 LOGS MIX TOTAL 4,243,424
- - - - -

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LAST YEAR (combined SSB & CW)

Frankford R C	6,366,228
Slovenia Contest C	5,138,233
Contest C Finland	4,294,949
Potomac Valley R C	3,373,098
* * * * *	

Guest Operators:

K8OQL	from W9LT QTH
W3AO	KE3Q

Multio operators:

Single op plus packet unless indicated below.

FINAL ARRL DX SSB (4/7/99)

CALL	BND	QSO	CTY	TOTAL
SINGLE	OP	HIGH	POWER	
K3ZO	1940	403		2,345,460
W3USS	1504	347		1,545,885
NX9T	1080	325		1,053,000
K3OSX	1014	311		946,062
W3MR	894	312		836,784
K4HA	816	288		705,024
N4ZR	794	282		670,032
K2UOP	771	284		656,892

W4JVN	760	281	640,680
W3EKT	631	291	549,990
KS4XG	516	244	377,712
KC3TL	622	237	442,242
K4ZW	20 1115	117	391,000
N4MM	529	235	372,945
AJ3M	586	202	355,116
N4CW	410	201	247,230
N8II	10 624	101	189,072
W3JRY	201	118	70,092
N4MXT	40 185	72	39,960
K3SV	100	66	19,800
N2QT	35	31	3,255
N4TL	13	11	396

# SINGLE OP LOW POWER

W3DQ	460	235	324,300
W4YE	417	203	253,953
NV3V	334	183	183,366
W4SD	250	159	119,250
W3CP	163	70	34,230
W2BZR	10 181	62	33,666
N3WK	126	80	30,240
N3EYB	32	26	2,496

# SINGLE OP QRP

# SINGLE OP ASSISTED

K3DI	873	391	1,024,020
W3UJ	758	289	656,319
KB3AUG	615	314	579,330
K3IXD	554	280	465,360
K3KO	500	241	360,054
N3GPU	354	185	196,470
N3RC	289	153	132,651
W3YD	275	149	122,925
K3SA	202	126	75,222
AA4KD	60	41	7,380

# MULTI - SINGLE

W4MR	1989	499	2,977,000
N4RV	1830	464	2,541,792
W9LT	1701	413	2,103,822
N1WR	960	333	959,040
W3HVQ	628	310	583,110
K4VV	536	253	405,306
WR3L	15 474	105	149,310

# MULTI - TWO

W3GNQ	2086	480	3,002,400
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# MULTI - MULTI

W3LPL	5753	672	11,581,920
W4MYA	3172	549	5,219,343

# DXPEDITIONS

VP2VW	7427	280	6,238,680
TI7/N4MO	1775	58	308,850

52 LOGS SSB TOTAL	53,130,434
52 LOGS CW TOTAL	85,033,258
102 LOGS MIX TOTAL	138,163,692

# LAST YEAR'S RESULTS (SSB & CW)

Club	Logs	Score
FRC	173	243,591,930
YCCC	176	221,027,178
PVRC	121	97,101,300



OPERATORS:

K4VV W4LIP W1HIR K4VV  
 N1WR N3WZR N3AFT N1WR  
 N4RV KT4W N4RV  
 VP2VW W4CE W4NF W4RM W4DAV VP2VW  
 W3GNQ W3GNQ W3ZZ WR3Z WI2T K3RFC  
 N3OC N3NT  
 W3HVQ W3HVQ N3TRP  
 W3LPL K1HTV AI3M ES2RR W2GG W3LPL  
 N2IC KD4D K3MM K3NA K3RA K1RZ  
 KE3Q K8CC K3MQH N5OKR  
 W3USS K3ZJ  
 W4MR AA4NC K4MA W4WA AA4GA  
 W4MYA KB4DI N4DEN N4ZJ W4DAA W4DR W4HJ  
 W4HZ WB4GVZ W4MYA  
 W9LT W9LT K8OQL  
 WR3L AA3SC WR3L

-----  
 YOUR SCORE IS LISTED HERE BECAUSE YOU SENT IT TO W2GG.  
 BUT, EVEN MORE IMPORTANT, YOU MUST ALSO SEND YOUR SCORE TO ARRL OR CQ!  
 -----

CQ WPX SSB (#7 4/22/99)

CALL PWR BAND QSO MULTS SCORE

SINGLE OP - UNASSISTED				
KF3P	C	3570	969	9,632,829
KE3Q	C	3319	949	8,776,352
K3ZO	C	2750	844	6,744,404
N3OC	C	2088	769	4,260,000
K8OQL	C	1902	753	3,941,955
NX9T	C TS	1843	739	3,641,792
N3HBX	C 15	1469	667	2,640,653
KY3ORK	C TS	1405	631	2,348,549
W4MYA	C 10	1371	534	1,811,328
AJ3M	C TS	983	552	1,428,576
NA1DX	C R	841	497	1,166,459
WA4QDM	C 15	891	473	1,150,336
N8II	C 10	966	466	1,130,983
K2UOP	C TS	764	430	903,000
N4MM	C TS	619	393	703,470
W2BZR	B 10	788	395	683,350
KS4XG	C	714	423	673,416
K4ZW	C	512	329	444,150
WX4DX	B	307	223	220,770
W4YE	B TS	255	179	128,164
N4CW	B	228	202	121,200
W3CP	B 15	150	150	59,850
K4HA	B	101	95	28,215
K4VV	B	107	97	27,645
W3JRY	C	100	93	26,784
W4SD	B	100	83	23,240

* SINGLE OP - ASSISTED				
NV4X	C	2540	951	6,747,345
W3PP	C	1973	781	4,313,463
W2GG	B TS	1212	595	2,017,050
K3DI	C	613	390	711,750
W3HVQ	C	436	308	415,492
K3KO	C TS	402	273	325,689
N3AM	C	374	308	320,628
W3DQ	B TS	77	69	18,285

* MULTI-SINGLE				
WX3B	C	542	355	416,415

\* MULTI-MULTI

\* DXPEDITIONS  
TI7/N4MO B10 1726 614 2,617,482

A = QRP  
B = LOW POWER  
C = HIGH POWER  
TS = TRIBANDER + SINGLE ELEM 160-40  
BR = BAND RESTRICTED  
R = ROOKIE

- - - - -  
36 LOGS SSB TOTAL 70,621,069  
- - - - -

LAST YEAR'S RESULTS (SSB & CW)  
Club Logs Score  
Contest Club Finland 125,880,210  
Potomac Valley RC 95,387,420  
Slovenia Contest Club 89,489,922

OPERATORS:  
K8OQL at W9LT QTH  
KE3Q from W3LPL QTH  
KF3P K3MM  
KY3ORK KC3TL  
NV4X K4MA at AA4NC QTH

High Speed Meteor Scatter (HSMS)  
by Steve Harrison, K0XC (ex-K00U), [\[email protected\]](#)

Enclosed are the rules for the 1999 North American High-Speed Meteor Scatter Contest (I was one of three who developed the rules this year). Although the contest takes place on amateur bands from 50 MHz on up, I thought I'd "humor" your request for "articles" for the PVRC newsletter. A few PVRC guys, like ND3F and W3ZZ, have previously expressed some modicum of interest in getting on HSMS but I've yet to hear anything from them. K3MQH really wants to give it a try but time prevents his playing around too much other than during contests.

Editors note: Space limitation will only allow a portion of the rules. The complete rules would require 3 3/4 columns with this font. Also, you may not receive this issue until part way through the contest period. Please check below web pages or contact Steve for more information. (I've oiled my bencher paddle but I don't think it'll go 99 wpm! :) )

Introducing the Second, North American High Speed Meteor Scatter (HSMS) Contest, sponsored by: The Western States Weak Signal Society.

Purpose: To promote the development of skilled HSCW operators in North America.

Objective: Work as many North American stations as possible via meteor scatter during the contest period using HSCW on the amateur radio bands above 50 MHz. HSCW for the purpose of this contest is any speed no less than 495 LPM (99 WPM).

Contest Period: 0000z, 1 May 1999 to 2400z, 9 May 1999. You may operate up to 48 hours during this time period. ...

Contest Operation: ... Refer to the Region II HSCW standard operating procedures <http://www.nitehawk.com/rasmit/hscw-sop22.html> for suggested HSCW techniques and meteor scatter calling frequencies...  
Sample blank log page/summary sheets are available from <http://www.qsl.net/n7stu/hscw.html>

...  
Suggested HSMS operating practices are described in HSCW Procedures (v. 7), available at <http://www.nitehawk.com/rasmit/hscw-sop22.html>.

...  
Information regarding calculating station ERP can be obtained from W5UN's website <http://web.wt.net/~w5un/>. Other information, including hardware modification tips, software, and HSMS articles may be found at these URLs:

...  
[http://www.nitehawk.com/rasmit/wsl\\_15.html](http://www.nitehawk.com/rasmit/wsl_15.html) <http://www.ilkk.de/sites/gap>

<http://www.mint.net/~nlbug/> <http://www.qsl.net/k0sm/>  
<http://www.sci.fi/~oh5iy/>  
<http://www.cannon.net/~mattmc/kb0vuk/hsms/hsms.html>  
<http://www.qsl.net/kd5bur/>  
<http://www.qsl.net/n7stu/hscw.html>

Many more links covering other HSMS topics may be found on most of the above web sites.

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POTOMAC VALLEY RADIO CLUB - MEMBERSHIP ROSETER - APRIL 15, 1999

The order of info in the paper edition is call, name, QTH,  
PVRC chapter, home telephone, work telephone, and email address.  
Only the call, name, and QTH is given in the electronic edition.  
Please send changes to W2GG

Prevanity and post vanity call conversion table.

-old-	-new-
KZ3H	AB7YC
KE3KL	JH1NBN/K3ZB
KC4DY	K1GG
NQ1W	K1KO
KA1GD	K1RA
WB2DNE	K3DNE
WA4RDI	K3GX
K3YDX	K3HH
WG3U	K3IT
K3YGU	K3KY
AA6DC	K3LP
WB6VGI	K3MLA
KF3P	K3MM
AA4EL	K3OSX
WG3J	K3PG
N3KQY	K3RON
W3GGO	K3RR
AE3C	K3SC
NY3G	K3SV
K3SME	K3SX
WB2EKK	K3TN
K3TW	K3TW/DL8TWA
W9VL	K3UT
W3GHR	K3VQ
WA3IKK	K3WC
N4GUS	K4EC
KF4JFG	K4EP
WA4HOT	K4HOT
WD4MUR	K4IQ
KI4HN	K4MA
AD4TU	K4MW
AA4U	K4RB
WA9BOW	K4SN
KX3Q	K4SO
WB4HFL	K4TMC
KG4O	K4UX
WZ3Q	K4ZA
WA4ZXA	K4ZAM
KE9A	K4ZW
KJ4VG	K5OF
KS1G	K5RT
AA4FR	K5ZQ
KN4ZT	K7CMZ
AA8NY	K8PC
K2LEQ	KR6HP
N1KCE	N1KC
WB2NQT	N2QT
AK2P	N3GM
AA3HA	N3HF
AA3HM	N3NT
WA3WJD	N3OC
W3FTG	N3TG

K4PQL N4AF  
 W1IHN N4CW  
 KD4JXY N4DEN  
 KP4XS N4UK  
 AD4KE N4ZJ  
 KI3L N5LZ  
 K7GPD N7PD  
 N3XQP NA1DX  
 KN1D ND4AA  
 NJ4F NR4M  
 WB8BMV NT4D  
 W3XY UNKNOWN  
 K3KMO W1AB  
 WA3ECT W1ECT  
 WB2BZR W2BZR  
 KR4JQ W2MG  
 W3CPB W3CP  
 WW3V W3DA  
 WD3Q W3DQ  
 WB3ECU W3ECU  
 NZ1W W3EF  
 WB3GCG W3GCG  
 W2EOS W3IKE  
 KV3J W3KB  
 W8KUX W3KC  
 N3QYA W3KN  
 KA3TGY W3LEO  
 KO7V W3MC  
 WA3CGE W3NO  
 K3LYW W3NRS  
 K3WUW W3PP  
 KN1K W3RQ  
 K3EUO W3RY  
 AA3DI W3TN  
 WA3TAI W3TOM  
 WR3E W3UR  
 KC3RN W3XY  
 W3DQI W3YD  
 K4CAX W4AGI  
 KO4FM W4CE  
 WA4DAI W4HJ  
 K4OKZ W4KFC  
 WB4NFS W4NF  
 WB4RMJ W4RM  
 N4AIG W4SD  
 WA6GVC W4XP  
 F6IIR W8UX  
 K3ZNV W8ZA  
 W0RUE W9JM

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HC1CYB (CARLOS) CARLOS CRAWFORD, 11641 BLUE RIDGE LANE, GREAT FALLS VA 22066-1004  
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